

KOREAN INTELLECTUAL PROPERTY OFFICE

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(54) PROCESS FOR PRODUCING XYLITOL IN HIGH PURITY

(57) Abstract:

PURPOSE: Provided is a process for industrially and efficiently obtaining xylitol in high purity from the resultant xylitol solution by using a microorganism capable of producing the xylitol. CONSTITUTION: The process for producing the xylitol comprises the steps of: culturing the microorganism capable of producing xylitol in an aqueous culture medium and removing solids from the resultant culture solution; removing ionic substances from the prepared solution by using a cation exchange resin and an anion exchange resin and desalting the resultant; separating the desalted solution into xylitol and other saccharides and sugar alcohols by using a strongly acidic cation exchange resin; separating the xylitol from the resultant xylitol solution.